

Torsion Cables

SAB^{clean} RT 793 D

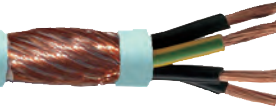
TPE Cleanroom shielded torsional cable $\pm 360^\circ$ torsion over 1 m

torsional/twisting
angle up to $\pm 360^\circ$

SAB^{clean}

SAB^{Robot}

600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



Marking for SAB^{clean} RT 793 D 37930415:

SAB BRÖCKSKES · D-VIERSEN · 4 x 1.5 mm² SAB Clean RT 793 D 16 AWG/4c 37930415 UL AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

Construction:

Conductor:	bare copper strands, acc. to IEC 60228, VDE 0295, class 6
Insulation:	TPE
Color code:	black conductors with consecutive white numbers acc. to EN 50334 + VDE 0293-334 and green/yellow ground from 3 conductors
Stranding:	specially adjusted layering
Wrapping:	netting tape, non-woven tape
Shielding:	wrapped with bare copper wires
Wrapping:	non-woven tape
Jacket material:	TPE
Jacket color:	white green (RAL 6019)

Technical data:

Nominal voltage:	Uo/U 300/500 V	
Voltage UL/CSA:	600 V	
Testing voltage:	conductor/conductor: 3000 V conductor/shielding: 2000 V	
Torsion angle:	up to $\pm 360^\circ/1$ m (tested)	
Min. bending radius: <i>continuously flexing:</i>	7.5 x O.D.	
Temperature range: <i>static:</i> <i>motion:</i>	DIN VDE -50/+70°C -40/+70°C	UL/CSA: up to +80°C
Air cleanliness class 1:	acc. to DIN EN ISO 14644-1	
Approvals:	UR AWM, CSA AWM, EAC, CE, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

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Outstanding features:



- rugged and reliable
- torsion angle up to $\pm 360^\circ$ over 1 meter

item no.	no. of conductors incl. ground	outer- ϕ inch $\pm 10\%$	outer- ϕ mm $\pm 10\%$	cable weight \approx lbs/mft	ohmic resistance at 20°C max Ω /km
► 20 AWG ($\approx 28/34$) • 0.50 mm²					
37930505	5	0.343	8.7	67	39.0
► 16 AWG ($\approx 84/34$) • 1.50 mm²					
37930415	4	0.378	9.6	97	13.3
37931215	12	0.555	14.1	213	13.3
► 14 AWG ($\approx 140/34$) • 2.50 mm²					
37930225	2	0.386	9.8	94	7.98
37930425	4	0.433	11.0	129	7.98

Other dimensions and colors are available on request



Cleanroom classification
DIN EN ISO 14644-1
Air Cleanliness Class 1